

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1300000.00

Name of Work: Detailed Estimate for the work of Maintenance of Existing borewells and supply of water through water tanker at village area in ward No- 02 of yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Supply of drinking water through water tanker at yelahanka old town areas in ward no - 02 as per BWSSB approved rates	load							
	kondappa layout, Kamakshamma layout, yelahank old town, chowdeshwari layout		6				6.00		
							6.00		
	Per Day 6 loads x 90 days= 540 load @ 360/load = 194400		6	90			540.00	360.00	194400.00
2	Lifting of Submersible Pump set (P.56/I.10.3.21 RDED SR (2012-13))	No	5				5	850.00	4250.00
3	Transportation of pumping machineries (P.56/I.10.3.19)RDED SR (2012-13)	No	5				5	900.00	4500.00
4	A) Repairs to Motor: Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6 months. RDED SR (2012-13)P NO.54/I.NO.10.1)								
	a) Do - above 3HP upto 5HP	No	4				4	2500.00	10000.00
	b) Do - above 5HP upto 10HP (Above 5HP upto 10HP add Rs 120/- for every 1/2 HP)	No	1				1	3700.00	3700.00
	B) Replacement of Motor Parts:								
6	Above 5HP Stator (with one year Gurantee) P.No.55/I.No.C(2)RDED SR (2012-13) 10.3.3	No	3				3	5050.00	15150.00
7	Above 5HP Rotor (with one year Gurantee) P.No.55/I No.C(2)RDED SR (2012-13) 10.3.6	No	3				3	4700.00	14100.00
8	Upper Flange P.No.55/I No.3 RDED SR (2012-13) 10.3.7	No	6				6	350.00	2100.00
9	Lower Housing P.No.56/I No.10.3.10 RDED SR (2012-13)	No	6				6	650.00	3900.00
10	Lower Flange P No.55/I No.10.3.8 RDED SR (2012-13)	No	6				6	350.00	2100.00
11	a) Carbon Housing P.No.56/I No.10.3.12 RDED SR (2012-13)	No	6				6	475.00	2850.00
12	b) Thrust bearing block assembly complete with Segment bearing pad P.No.56/I No.10.3.13 RDED SR (2012-13)	No	6				6	1150.00	6900.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	c) Tip Carbon /Ferrodo pading No.56/I No.10.3.14 RDED SR (2012-13)	No	5				5	150.00	750.00
14	Bearing (Gun metal)Centrifugal cast Aluminium Bronze, bearing bush P No.56/I No.10.3.16 RDED SR (2012-13)	No	5				5	400.00	2000.00
15	Motor Base with pin P.No. 56/ I No.10.3.18 RDED SR (2012-13)	No	5				5	475.00	2375.00
16	Re-erection charges of pumping machineries including overhauling and painting P No.56/I No.10.3.20 RDED SR (2012-13)	No	5				5	950.00	4750.00
17	Labour Charge (overhauling Motor only) P.No 56/ I No.10.3.22 RDED SR (2012-13)	No	5				5	550.00	2750.00
18	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement Pump bowls P.No.54 / 10.2.1 RDED SR (2012-13)	No	5				5	700.00	3500.00
19	Intermediate piece (I.P) with IP leaded bronze bush P.No. 54/ I 10.2.2. RDED SR (2012-13)	No	6				6	450.00	2700.00
20	Oil seal P No. 54/ I 10.2.3 RDED SR (2012-13)	No	6				6	125.00	750.00
21	Oil seal steel bush P.No. 54/ I 10.2.3 RDED SR (2012-13)	No	6				6	150.00	900.00
22	Guide vane Pno 54/I No.10.2.4 RDED (2012-13)	No	6				6	175.00	1050.00
23	Impeller (shell moulded with aluminium and Bonze) P No. no 10.2.6 RDED SR 2012-13	No	6				6	425.00	2550.00
24	a) Discharge outlet (D O) Bearing D O Steel Bush P.No. 54/ I No.10.2.7 RDED SR (2012-13)	No	6				6	445.00	2670.00
25	b)D O Bearing P.No. 54/ I No.10.2.8 RDED SR (2012-13)	No	6				6	285.00	1710.00
26	Steel bush (D O) steel bush) P.No. 54/ I No.10.2.9 RDED SR (2012-13)	No	6				6	150.00	900.00
27	Allen Screw P No. 54/ I No.10.2.10 RDED SR (2012-13)	No	6				6	25.00	150.00
28	Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) P.No.54/ I No.10.2.11 RDED SR (2012-13)	No	6				6	950.00	5700.00
29	Pump key (Stainless steel) P.No 55/ I No.10.2.12 RDED SR (2012-13)	No	6				6	125.00	750.00
30	Pump coupling (stainless steel) P.No. 55/ I No.10.2.13 12RDED SR (2012-13)	No	6				6	250.00	1500.00
31	Non - Return valve (NRV) assembly complete with rubber 'O' Ring P.No. 40/ I No.13RDED SR (2012-13)	No	6				6	1350.00	8100.00
32	Cable guard P.No. 55/ I No.10.2.14 RDED SR (2012-13)	No	6				6	150.00	900.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
33	Strainer P.No. 55/ I No.10.2.16 ED SR (2012-13)	No	6				6	150.00	900.00
34	Providing and fixing 50 mm dia heavy duty collar SE RDED Approved rate enclosed approved	No	6				6	130.00	780.00
35	KSRB 2-1.1:Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.1, PWD SR 13-14)	Cum							
	for PVC pipe		1	1700.00	0.45	0.90	688.50		
							688.50	283.02	194859.27
	Basic Rate	267.00							
	6% area weightage	16.02							
	Total	283.02							
36	Providing and instalation at site of works P.V.C Pipes including cost of pipes and specials and including lowering into trenches, laying true to line level and perfect linking at joints, leak proof including jointing encasing the pipe around to a depth Not less than 15cm with grave or selected earth avalabile from the excavation Etc., Page No.12 item No.3.4.2 b PRED SR 2012-13	Rmtr							
	75 mm dia 6 KSC PVC pipe		1	500.00			500.00	157.00	78500.00
37	63mm dia 6 KSC		1	1200.00			1200.00	112.00	134400.00
38	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P NO - 6, I NO - 2.11, PWD SR 13-14)	cum							
							688.50	76.32	52546.32
	Basic Rate	72.00							
	6% area weightage	4.32							
	Total	76.32							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
39	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz 380/440 volts AC supply fitted with required accessories such as suction casing suction strainers sand guard Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000 HP 30 stage (P.NO-XXXXIII, I NO-33 PWD SR 12-13) kirloskar pumps.	set	1				1.00	70600.00	70600.00
	Basic Rate	70600.00							
40	Providing, GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc, complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe (SR 13-14 PWD Page No XVII code No 509, 0154)	Rmtr	1	240.00			240.00		
	Basic Rate	330.63					240.00	330.63	79351.20
41	Providing & fixing socket GI (heavy duty collar) (PwD SR pg xxxvii)	No	1	45.00			45.00	84.80	3816.00
	Basic Rate	84.80							
42	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia KPWD SR for 2014-15 P-12 Item no 2.10.3	Mtr	1	470.00			470.00	164.29	77216.30

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	164.29							
43	Supplying & delivery at site brand new / * Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter- cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	no							
			4				4.00	10000.00	40000.00
44	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sq cm KPWD Electrical SR for 2014-15 P 49 Item no 6.40.2	Sqm Cm							
			5	1100.00	20.00		110000.00		
	Basic Rate	0.33					110000.00	0.34	36300.00
45	Providing & Fixing of clamps set and borewell cap to the pump	No's							
			5				5.00	450.00	2250.00
46	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve.) (PWD SR 13- 14, P.NO XXIV, SI.no, 673)	No's							
			5	3.00			15.00	1600.00	24000.00
	Basic Rate	1600.00							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
47	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark. 50mm Non return Valve for distributor pipeline. 50mm dia (PWD SR 13-14, P.NO.XXIV, Sl.no, 659)	No's	5	3.00			15.00	1145.00	17175.00
	Basic Rate	1145.00							
48	Providing and fixing of 50mm GI bend to motor (PWD SR 13-14, P.NO.XXXVII GI FITTINGS TABLE)	No's	5	3.00			15.00	219.00	3285.00
	Basic Rate	219.00							
49	Providing and fixing of 50mm GI Nipple to motor (PWD SR 13-14, P.NO.XXXVII GI FITTINGS TABLE)	No's	5	3.00			15.00	104.30	1564.50
	Basic Rate	104.30							
50	Providing and fixing of 50mm GI union to the motor (PWD SR 13-14, P.NO.XXXVII GI FITTINGS TABLE)	No's	5	3.00			15.00	223.70	3355.50
	Basic Rate	223.70							
51	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 564, I.No - 3, BWSSB SR 13-14)	Per length	5	45.00			225.00	90.64	20394.00
	Basic Rate	88.00							
52	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc. Complete for basement out door type. (Market Rate)	No's	5	1.00			5.00	475.00	2375.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
53	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps KPWD Electrical SR For 2014-15 P-47, Item no 6.16.4	No's							
			5	1.00			5.00	906.40	4532.00
	Basic Rate	906.40							
54	Supplying and laying of L.T.U.G Cable having aluminium conductors, PVC insulated sheathed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) KPWD Electrical SR For 2014-15 P-56, Item no 7.5.4	Mtr							
			5	30.00			150.00	169.95	25492.50
	Basic Rate	169.95							
55	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc., Complete sutting road surfaces KPWD Electrical SR For 2014-15 P-62, Item no 7.9.2	Mtr							
			5	30.00			150.00	56.65	8497.50
	Basic Rate	56.65							
56	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm KPWD Electrical SR For 2014-15 P-62, Item no 7.12.1	Mtr							
			5	4.00			20.00	294.58	5891.60
	Basic Rate	294.58							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
54	Public fountains including GI taps and all accessories	Nos	38 (40)				38 (40.00)	MR 2500.00	95,000 (100000.00)
55	Miscellaneous and rounding off.								884.00
								TOTAL	1300000.00

(Rupees thirteen lakhs Only)

CERTIFICATE

- 1 The work spot has been inspected and the work is found necessary.
- 2 The Estimate is prepared as per the PRED SR 2012-13 and PW,P & IWTD SR 2013-14 and BWSSB Electrical SR 2013-14
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Ramanafeendh
Assistant Engineer

Tanuj
Executive Engineer
Yelahanka Division
Bangalore-64

ofo
Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

AS No. 106

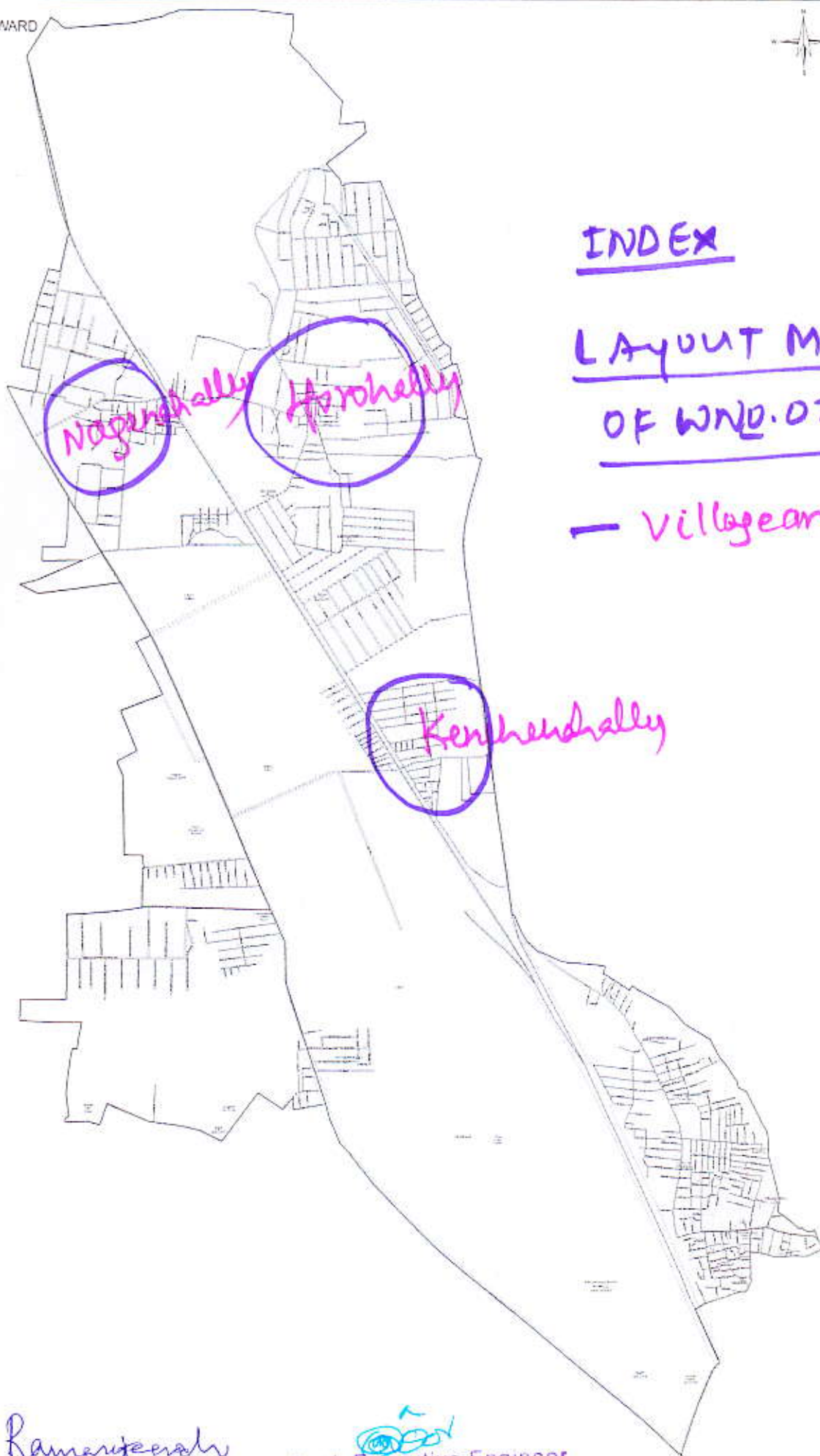
Administrative Approval

Accorded For 13,00,000/-
In aid of A/C P. 1771
CLR NO : 106 Dt: 1.1.16

TA

CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. <u>13.00</u> <i>lacs</i>	
Rupees	<u>Thirteen Lakh</u>
Under	<u>P. 1771 - 2015.16</u>
Registered as CE () No. <u>99</u>	
Subject to conditions contained in enclosed memo EE () No. <u>191</u>	
Dt. <u>1.1.2016</u>	Estimate A/ Sanctioned
Dated <u>2.1.2016</u>	Rs. <u>13.00</u> <i>lacs</i>
	Executive Engineer



No of Properties : 5633	
Commercial	128
Industrial/Manufacturing	19
Govt Office	198
Industrial	18
Govt. Quarters	171
Residential/Commercial	35
Manufacturing	273
Govt. Quarters/Office	59
Govt. Plot	223
Working	
No of Roads : 190	
Commercial Road	1
Major Road	1
Minor Road	59
(Total Length of Roads, in Meters) 77383.75	
Commercial Road	243.2
Major Road	1.6
Minor Road	8363.95

- Major Road
- Intermediate Road
- Minor Road

Ramengeshu

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore